

# Alcohol-Related Crashes

Alcohol-related crashes are more apt to occur—and **more likely to be reported**—in fatal crashes than in nonfatal crashes. In Iowa, drivers who are involved in fatal crashes are not required by law to submit to an alcohol test; therefore, Iowa alcohol-related crash statistics should not be compared to states where an alcohol test is mandatory. Testing for alcohol is based on *probable cause* as determined by the investigating officer. More than one driver may be tested for alcohol use in any particular crash. Care should be used in comparing the yearly percentages of alcohol-related fatal crashes due to fluctuations in the number of reports received.

An alcohol-related crash is where one or more drivers/pedestrians have a blood alcohol content (BAC) of .01% or higher. Therefore, a driver or pedestrian with a BAC between .000% and .009% is counted as *not drinking*, a driver or pedestrian with a BAC between .01% and .09% is counted as *drinking, not impaired*, and a driver or pedestrian with a BAC .1% and higher is counted as *drinking, impaired*.

## Alcohol-Related Fatalities, Injuries & Crashes

Type	Fatalities	Injuries	Crashes			
			Fatal	Injury	Property	Total
Number						
Alcohol	112	2,385	100	1,561	1,206	2,867
Non-Alcohol	333	33,646	294	22,202	38,998	61,494
Total	445	36,031	394	23,763	40,204	64,361
Percent						
Alcohol	25.17%	6.62%	25.38%	6.57%	3.00%	4.45%
Non-Alcohol	74.83%	93.38%	74.62%	93.43%	97.00%	95.55%

## Fatalities/Injuries by Age Group

Age Group	Fatalities		Injuries	
	Number	Percent	Number	Percent
Under Age 21				
14 & Under	2	1.79%	115	4.82%
15	1	0.89%	25	1.05%
16	2	1.79%	56	2.35%
17	7	6.25%	91	3.82%
18	5	4.46%	108	4.53%
19	3	2.68%	116	4.86%
20	3	2.68%	120	5.03%
Total*	23	20.54%	631	26.46%
All Ages				
14 & Under	2	1.79%	115	4.82%
15 to 24	40	35.71%	916	38.41%
25 to 34	27	24.11%	471	19.75%
35 to 44	19	16.96%	411	17.23%
45 to 54	14	12.50%	239	10.02%
55 to 64	4	3.57%	85	3.56%
65 to 74	3	2.68%	46	1.93%
75 & Over	3	2.68%	22	0.92%
Unknown	0	0.00%	80	3.35%
Total	112	100.00%	2,385	100.00%

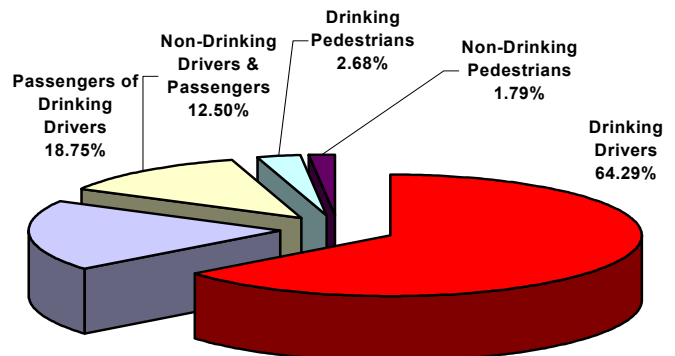
Under age 21 percentages are based on total for all ages.

## Fatalities & Severity of Injuries

Severity	Number	Percent
Fatal	112	4.49%
Major (Incapacitating)	484	19.38%
Minor (Bruises & Abrasions)	1,092	43.73%
Possible (Complaint of Pain)	780	31.24%
Unknown	29	1.16%
Total Killed & Injured	2,497	100.00%

## Who Was Killed

Who Was Killed	Fatalities	
	Number	Percent
Drinking Drivers	72	64.29%
Passengers of Drinking Drivers	21	18.75%
Non-Drinking Drivers & Passengers	14	12.50%
Drinking Pedestrians	3	2.68%
Non-Drinking Pedestrians	2	1.79%
Total	112	100.00%



## Fatalities/Injuries by Gender

Gender	Fatalities		Injuries	
	Number	Percent	Number	Percent
Female	23	20.54%	808	33.88%
Male	89	79.46%	1,577	66.12%
Unknown	0	0.00%	0	0.00%
Total	112	100.00%	2,385	100.00%

# Alcohol-Related Crashes

## Who Was Drinking

Who Was Drinking	Crashes			
	Fatal Crashes		Injury Crashes	
	Number	Percent	Number	Percent
Driver	97	97.00%	1,530	98.01%
Pedestrian	3	3.00%	27	1.73%
Driver & Pedestrian	0	0.00%	4	0.26%
Total	100	100.00%	1,561	100.00%

## BAC of Drinking Drivers

BAC (Blood Alcohol Content)	Drinking Drivers			
	Fatal Crashes		Injury Crashes	
	Number	Percent	Number	Percent
.019 & Lower	3	2.97%	59	3.80%
.020 to .039	5	4.95%	37	2.38%
.040 to .079	9	8.91%	82	5.28%
.080 to .099	5	4.95%	60	3.86%
.100 & Higher	77	76.24%	523	33.68%
Unknown	2	1.98%	792	51.00%
Total	101	100.00%	1,553	100.00%

Unknown is listed as alcohol-related on crash report, but BAC is listed as unknown or is blank.

## Age of Drinking Drivers

Age Group	Drinking Drivers			
	Fatal Crashes		Injury Crashes	
	Number	Percent	Number	Percent
<b>Under Age 21</b>				
14 & Under	0	0.00%	1	0.06%
15	1	0.99%	2	0.13%
16	1	0.99%	26	1.67%
17	3	2.97%	43	2.77%
18	4	3.96%	63	4.06%
19	3	2.97%	73	4.70%
20	5	4.95%	74	4.76%
Total*	17	16.83%	282	18.16%
<b>All Ages</b>				
14 & Under	0	0.00%	1	0.06%
15 to 24	35	34.65%	564	36.32%
25 to 34	24	23.76%	377	24.28%
35 to 44	21	20.79%	350	22.54%
45 to 54	14	13.86%	169	10.88%
55 to 64	2	1.98%	51	3.28%
65 to 74	3	2.97%	22	1.42%
75 & Over	1	0.99%	11	0.71%
Unknown	1	0.99%	8	0.52%
Total	101	100.00%	1,553	100.00%

Under age 21 percentages are based on total for all ages.

## Gender of Drinking Drivers

Gender	Drinking Drivers			
	Fatal Crashes		Injury Crashes	
	Number	Percent	Number	Percent
Female	13	12.87%	295	19.00%
Male	87	86.14%	1,255	80.81%
Unknown	1	0.99%	3	0.19%
Total	101	100.00%	1,553	100.00%

## Physical Condition of All Drivers

Physical Condition	All Drivers			
	Fatal Crashes		Injury Crashes	
	Number	Percent	Number	Percent
Apparently Normal	365	57.12%	36,605	86.54%
Physical Defect	0	0.00%	94	0.22%
Fatigue	3	0.47%	212	0.50%
Apparently Asleep	1	0.16%	249	0.59%
Illness	0	0.00%	72	0.17%
Under Medication	1	0.16%	51	0.12%
Infirmities of Age	8	1.25%	200	0.47%
Drinking-Not Impaired	21	3.29%	428	1.01%
Drinking-Impaired	80	12.52%	1,125	2.66%
Drugs	1	0.16%	101	0.24%
Other	6	0.94%	226	0.53%
Unknown	153	23.94%	2,936	6.94%
Total	639	100.00%	42,299	100.00%

## Drinking Driver's Contributing Circumstance

Drinking Driver's Contributing Circumstances	Circumstances			
	Fatal Crashes		Injury Crashes	
	Number	Percent	Number	Percent
None Apparent	40	17.02%	897	24.70%
Ran Traffic Signal	0	0.00%	76	2.09%
Ran Stop Sign	6	2.55%	81	2.23%
Passed Stopped School Bus	0	0.00%	1	0.03%
Improper Passing	2	0.85%	12	0.33%
Left of Center, Not Passing	6	2.55%	75	2.06%
FTYROW at Intersection	0	0.00%	20	0.55%
FTYROW from Stop Sign	8	3.40%	47	1.29%
FTYROW from Yield Sign	0	0.00%	12	0.33%
FTYROW Making Left Turn	1	0.43%	56	1.54%
FTYROW from Driveway	0	0.00%	11	0.30%
FTYROW from Parked	0	0.00%	1	0.03%
FTYROW to Pedestrian	0	0.00%	6	0.17%
FTYROW Other	0	0.00%	4	0.11%
Wrong Way/One-Way	6	2.55%	10	0.28%
Too Fast for Conditions	19	8.09%	173	4.76%
Exceeding Speed Limit	13	5.53%	144	3.96%
Drag Racing	0	0.00%	5	0.14%
Improper Turn	3	1.28%	11	0.30%
Improper Lane Change	2	0.85%	11	0.30%
Following Too Close	1	0.43%	52	1.43%
No/Improper Signal	0	0.00%	6	0.17%
Disregarded Railroad Signal	0	0.00%	6	0.17%
Disregarded Warning Signal	0	0.00%	5	0.14%
Reckless Driving	2	0.85%	115	3.17%
Improper Backing	0	0.00%	6	0.17%
Illegal/Improper Parking	0	0.00%	7	0.19%
Failure to Control Vehicle	79	33.62%	1,111	30.59%
Headlights Not On	0	0.00%	9	0.25%
Inattentive/Distracted	1	0.43%	140	3.85%
Confused	5	2.13%	31	0.85%
Vision Obscured	3	1.28%	8	0.22%
Oversized/Loaded Vehicle	0	0.00%	4	0.11%
Inexperienced Driver	0	0.00%	21	0.58%
Other	10	4.26%	274	7.54%
Unknown	28	11.91%	184	5.07%
Total	235	100.00%	3,632	100.00%

Up to two circumstances may be listed for each drinking driver involved in a crash.

# Alcohol-Related Crashes

## Drinking Driver's Vehicle Action

Drinking Driver's Vehicle Action	Drinking Driver			
	Fatal Crashes		Injury Crashes	
	Number	Percent	Number	Percent
Going Straight	87	86.14%	1,254	80.75%
Turning Left	3	2.97%	120	7.73%
Turning Right	0	0.00%	44	2.83%
Making U-Turn	1	0.99%	2	0.13%
Passing	2	1.98%	22	1.42%
Changing Lanes	2	1.98%	9	0.58%
Merging	0	0.00%	3	0.19%
Parking	0	0.00%	1	0.06%
Slowing/Stopping	0	0.00%	15	0.97%
Backing	1	0.99%	13	0.84%
Stopped for Sign/Signal	1	0.99%	3	0.19%
Stopped in Traffic	1	0.99%	5	0.32%
Stalled in Traffic	0	0.00%	0	0.00%
Properly Parked	0	0.00%	0	0.00%
Improperly Parked	0	0.00%	0	0.00%
Unattended Moving Vehicle	0	0.00%	0	0.00%
Other	2	1.98%	44	2.83%
Unknown	1	0.99%	18	1.16%
Total	101	100.00%	1,553	100.00%

## Type of Crash

Type of Crash	Crashes			
	Fatal Crashes		Injury Crashes	
	Number	Percent	Number	Percent
Overtaken	19	19.00%	178	11.40%
Jackknifed	0	0.00%	2	0.13%
Fire/Explosion	2	2.00%	1	0.06%
Immersion	0	0.00%	1	0.06%
Pedestrian	5	5.00%	46	2.95%
Other Vehicle	32	32.00%	548	35.11%
Motorcycle	0	0.00%	7	0.45%
Parked Vehicle	0	0.00%	93	5.96%
Train	1	1.00%	7	0.45%
Pedacycle	0	0.00%	9	0.58%
Animal	0	0.00%	9	0.58%
Fixed Object	35	35.00%	520	33.31%
Other Object	0	0.00%	22	1.41%
Other/Unknown	6	6.00%	118	7.56%
Total	100	100.00%	1,561	100.00%

## Drinking Driver's Traffic controls

Drinking Driver's Traffic Control	Drinking Drivers			
	Fatal Crashes		Injury Crashes	
	Number	Percent	Number	Percent
No Controls	79	78.22%	1,088	70.06%
Signals	1	0.99%	201	12.94%
Stop Signs	11	10.89%	133	8.56%
Yield Signs	0	0.00%	10	0.64%
Warning Signs	2	1.98%	62	3.99%
School Signals	0	0.00%	0	0.00%
No Passing Zones	5	4.95%	23	1.48%
School Stop Signs	0	0.00%	1	0.06%
School Bus Stop Arms	0	0.00%	0	0.00%
Railroad Signs	1	0.99%	6	0.39%
Railroad Signals	0	0.00%	1	0.06%
Railroad Crossing Gates	0	0.00%	1	0.06%
Peace Officer	0	0.00%	3	0.19%
Non-Functioning Signals	0	0.00%	0	0.00%
Other	1	0.99%	18	1.16%
Unknown	1	0.99%	6	0.39%
Total	101	100.00%	1,553	100.00%

## Drinking Driver's Road Surface Condition

Drinking Driver's Road Surface Conditions	Surface Conditions			
	Fatal Crashes		Injury Crashes	
	Number	Percent	Number	Percent
Dry	115	77.70%	1,486	68.86%
Wet	11	7.43%	224	10.38%
Ice	6	4.05%	92	4.26%
Snow	3	2.03%	128	5.93%
Gravel	7	4.73%	135	6.26%
Mud	0	0.00%	5	0.23%
Debris	0	0.00%	3	0.14%
Other	1	0.68%	7	0.32%
Unknown	5	3.38%	78	3.61%
Total	148	100.00%	2,158	100.00%

Up to two surface conditions may be listed for each drinking driver.

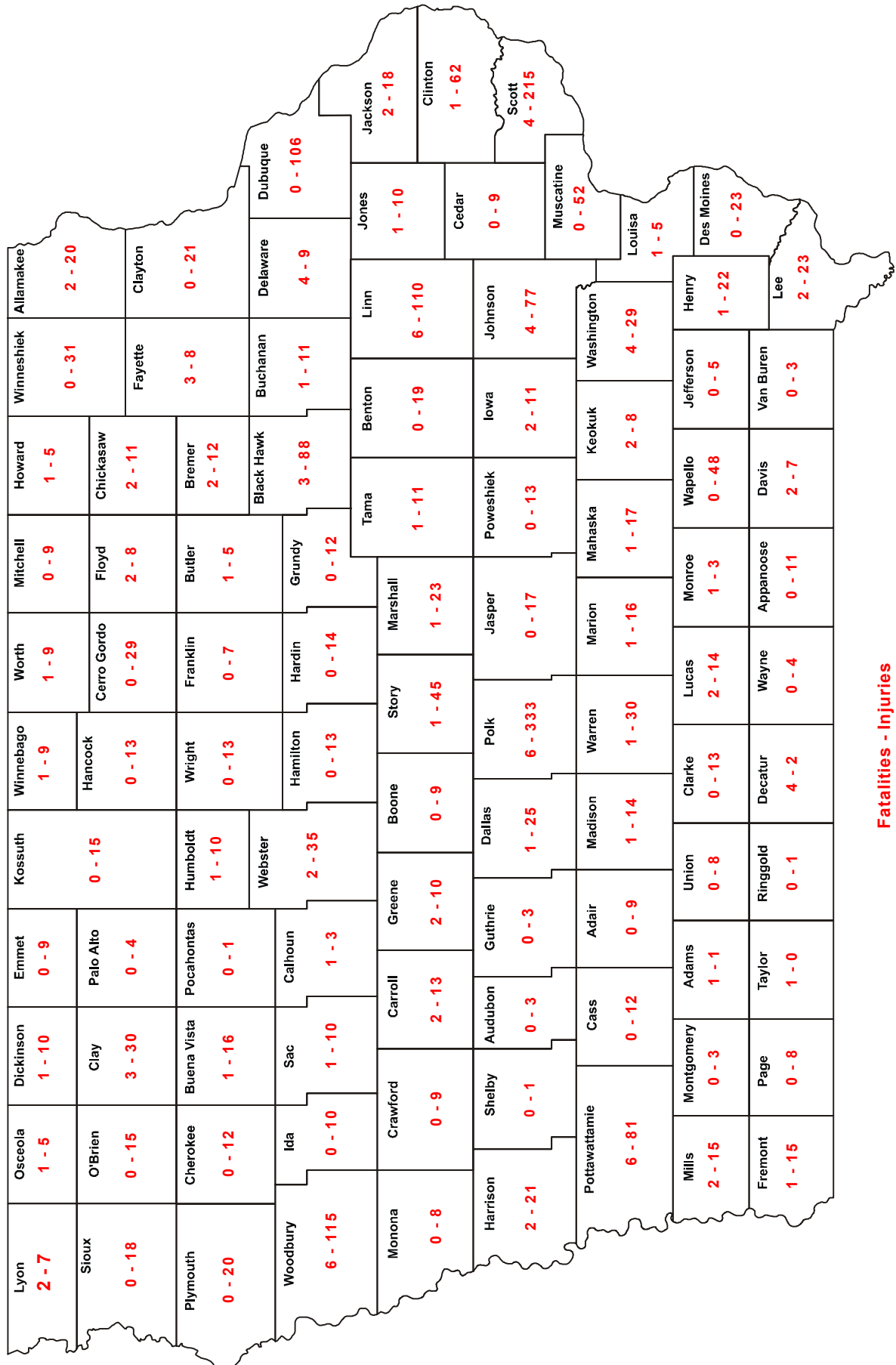
## Light Conditions

Light Conditions	Crashes			
	Fatal Crashes		Injury Crashes	
	Number	Percent	Number	Percent
Daylight	21	21.00%	392	25.11%
Dusk	1	1.00%	51	3.27%
Dawn	0	0.00%	18	1.15%
Darkness, Lighted	11	11.00%	527	33.76%
Darkness, Not Lighted	64	64.00%	570	36.52%
Unknown	3	3.00%	3	0.19%
Total	100	100.00%	1,561	100.00%

# Alcohol-Related Crashes

## Alcohol-Related Fatalities & Injuries by County

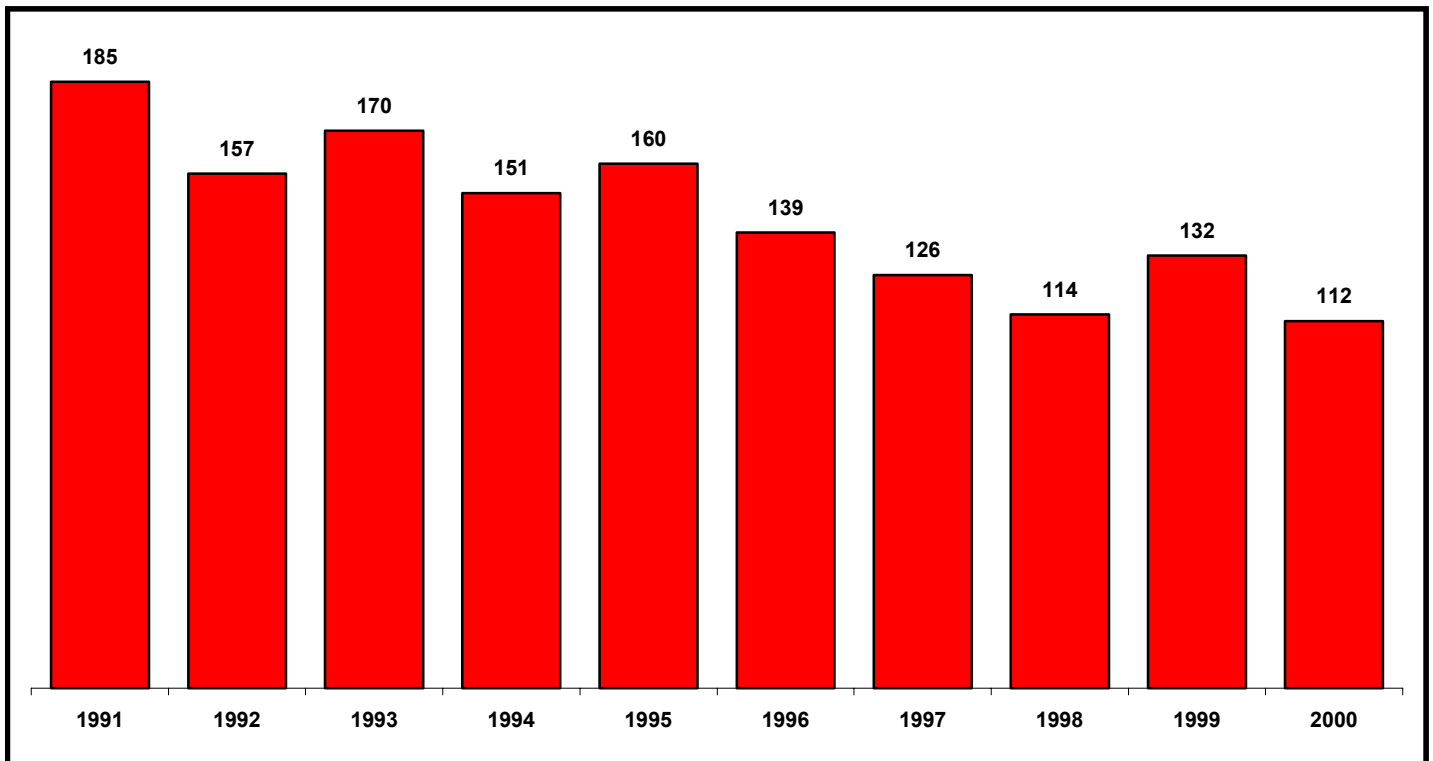
112 Fatalities -- 2,385 Injuries



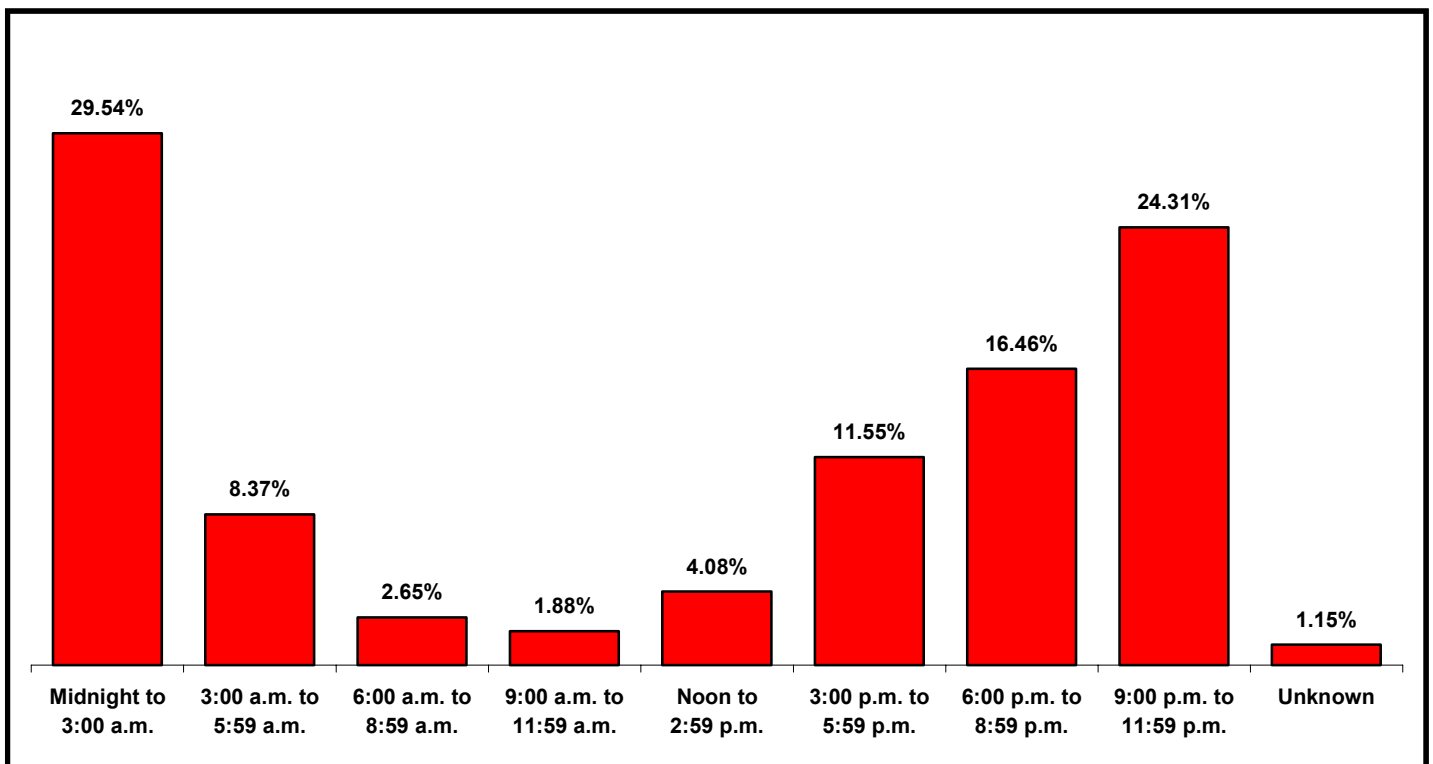
Fatalities - Injuries

# Alcohol-Related Crashes

## Alcohol-Related Fatalities over a 10-Year Period

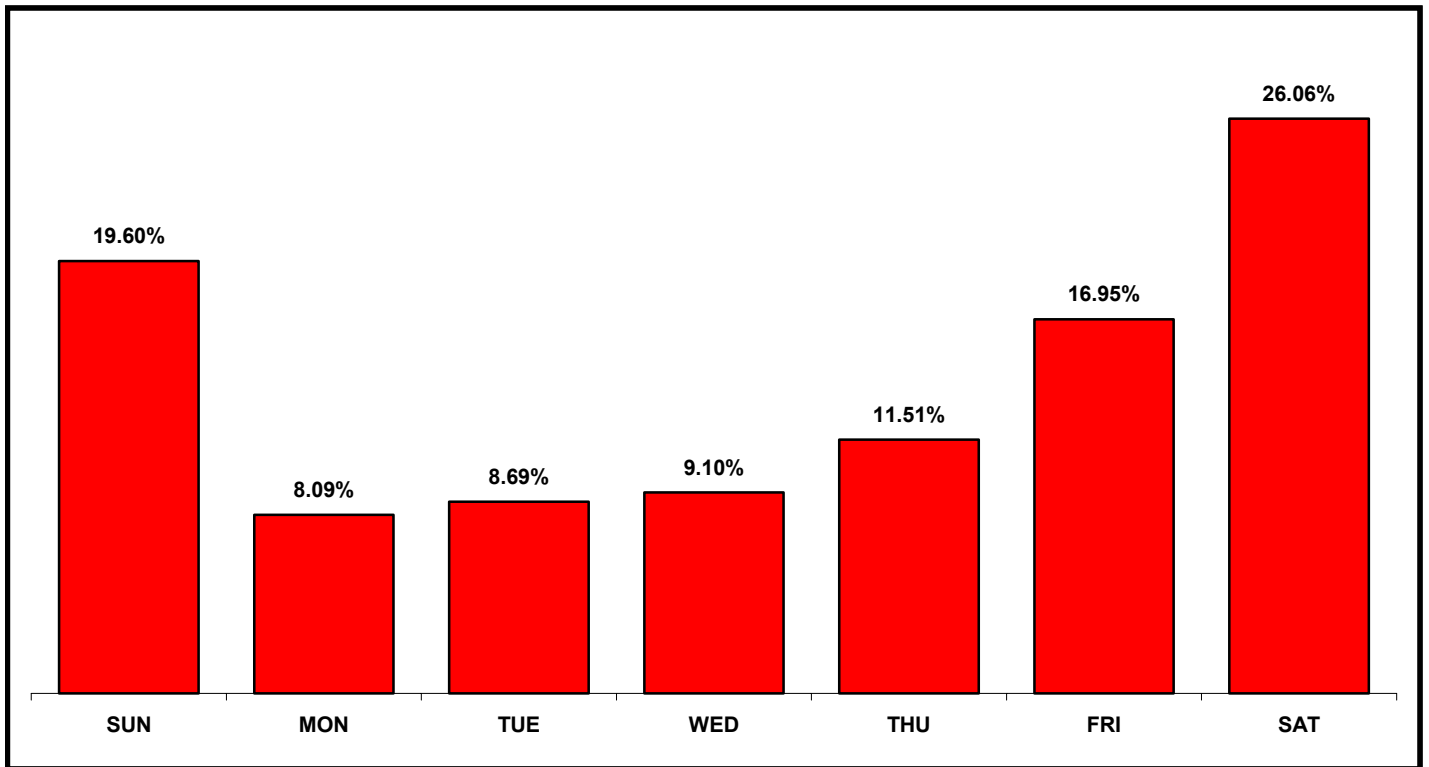


## Alcohol-Related Crashes by Time of Day



# Alcohol-Related Crashes

## Alcohol-Related Crashes by Day of Week



## Alcohol-Related Crashes by Month

